

10/721442

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NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/CAPLUS(SM) Austrian patent law changes
NEWS 18 SEP 11 CA/CAPLUS enhanced with more pre-1907 records

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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FILE 'HOME' ENTERED AT 14:16:42 ON 11 SEP 2006

=> file uspatfull

COST IN U.S. DOLLARS

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	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'USPATFULL' ENTERED AT 14:16:50 ON 11 SEP 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 7 Sep 2006 (20060907/PD)
FILE LAST UPDATED: 7 Sep 2006 (20060907/ED)
HIGHEST GRANTED PATENT NUMBER: US7103915
HIGHEST APPLICATION PUBLICATION NUMBER: US2006200885
CA INDEXING IS CURRENT THROUGH 5 Sep 2006 (20060905/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 7 Sep 2006 (20060907/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006

=> s boltorn? or lupasol?

68 BOLTORN?

354 LUPASOL?

L1 421 BOLTORN? OR LUPASOL?

=> s sunscreen? or uv or sunblock?

9425 SUNSCREEN?

189599 UV

786 SUNBLOCK?

L2 194679 SUNSCREEN? OR UV OR SUNBLOCK?

=> s microsphere?

L3 32281 MICROSPHERE?

=> s color?

L4 773346 COLOR?

=> s pigment?

L5 198396 PIGMENT?

=> s l2 and l2

L6 194679 L2 AND L2

=> s l1 and l2

L7 196 L1 AND L2

=> s l7 and l3

L8 18 L7 AND L3

=> s l8 and l4

L9 14 L8 AND L4

=> d l9 and l5

L5 IS NOT VALID HERE

For an explanation, enter "HELP DISPLAY".

=> s l9 and l5

L10 11 L9 AND L5

=> d 1-11 ibib abs

L10 ANSWER 1 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2006:44163 USPATFULL

TITLE: Makeup or care kit for nails

INVENTOR(S): Ilekti, Philippe, Maison-Alfort, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006037624	A1	20060223
APPLICATION INFO.:	US 2005-207141	A1	20050819 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2004-51879	20040820
	US 2004-604715P	20040827 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US	
NUMBER OF CLAIMS:	49	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1897	

AB The present disclosure relates to a makeup or care kit for nails, comprising: i) at least one first liquid composition, and ii) at least one flexible polymeric film, said film and said first liquid composition being such that, when the at least one film is applied to the nail coated with the at least one first liquid composition, the film adheres to the nail. The invention also relates to a method for making up or caring for nails.

L10 ANSWER 2 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2005:315218 USPATFULL
 TITLE: Composition for dyeing keratin fibers comprising at least one compound bearing at least one amine function, at least one pigment and at least one chemical coupling agent
 INVENTOR(S): Brun, Gaelle, Paris, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005273947	A1	20051215
APPLICATION INFO.:	US 2005-140453	A1	20050531 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2004-5842	20040528
	US 2004-580101P	20040617 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US	
NUMBER OF CLAIMS:	37	
EXEMPLARY CLAIM:	1	
LINE COUNT:	774	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a composition for dyeing keratin fibers comprising at least one compound bearing at least one amine function, at least one pigment and at least one chemical coupling agent, to the processes for dyeing keratin fibers, using this compound bearing at least one amine function, this pigment and this chemical coupling agent, and also to the use of this compound bearing at least one amine function, of this pigment and of this chemical coupling agent for dyeing keratin fibers. In at least one embodiment, the present invention allows the production of a coloration that is visible on a dark support without it being necessary to lighten or bleach the keratin fibers, and that shows good resistance to the various attacking factors to which the hair may be subjected, in

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particular to shampoos and to rubbing.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 3 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2005:308802 USPATFULL

TITLE: Composition for dyeing keratin fibers, comprising at least one pigment and polymers capable of reacting with each other to form covalent bonds

INVENTOR(S): Brun, Gaelle, Paris, FRANCE
Vic, Gabin, Venette, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005268405	A1	20051208
APPLICATION INFO.:	US 2005-139675	A1	20050531 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2004-5834	20040528
	US 2004-580100P	20040617 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US	
NUMBER OF CLAIMS:	36	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1007	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present disclosure relates to compositions for dyeing keratin fibers comprising at least one pigment, at least one polymer PA bearing at least one functional group A, and at least one polymer PB bearing at least one functional group B, wherein the functional groups A and B can form covalent bonds together; to processes for dyeing keratin fibers with the compositions as disclosed herein, and also to the use of this pigment and of these polymers for dyeing keratin fibers in a color-fast manner.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 4 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2004:327102 USPATFULL

TITLE: Water-based adhesive compositions with polyamine curative and binder

INVENTOR(S): Willett, Peggy S., Stillwater, MN, UNITED STATES
Waid, Robert D., Oakdale, MN, UNITED STATES
Frank, Randy S., London, CANADA
Carrozzella, Tony R., London, CANADA

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004258922	A1	20041223
APPLICATION INFO.:	US 2003-600681	A1	20030620 (10)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	3M INNOVATIVE PROPERTIES COMPANY, PO BOX 33427, ST. PAUL, MN, 55133-3427		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Page(s)		
LINE COUNT:	1018		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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AB Water-based adhesive compositions are described that includes epoxy capsules and a polymeric amine that is water soluble or water dispersible. The epoxy capsules include an outer shell material and an epoxy resin encapsulated by the outer shell material. The polymeric amine functions as an epoxy curative and as a binder resin. The compositions are substantially free of other additional organic binders. The compositions are suitable for use as mechanical fastener adhesives.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 5 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2004:253891 USPATFULL
TITLE: Nanocapsules containing a steroid for cosmetic compositions
INVENTOR(S): Simonnet, Jean-Thierry, Paris, FRANCE
Richart, Pascal, Paris, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004197416	A1	20041007
APPLICATION INFO.:	US 2004-484429	A1	20040520 (10)
	WO 2002-FR2572		20020718

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2001-10114	20010727
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314	
NUMBER OF CLAIMS:	43	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1054	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to an aqueous suspension of nanocapsules containing, in an aqueous medium, nanocapsules comprising a polymer shell and a lipid core containing an oily solvent, characterized in that the said lipid core contains at least one steroid chosen from: DHEA, its chemical and biological precursors and its chemical and metabolic derivatives, and in that the said oily solvent comprises at least one compound chosen from certain classes of solvents for DHEA.

The invention also relates to a cosmetic and/or dermatological composition comprising the said suspension of nanocapsules in a physiologically acceptable medium.

Finally, the invention relates to the cosmetic and dermatological uses of this composition, especially for preventing or treating the signs of ageing of the skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 6 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2003:78054 USPATFULL
TITLE: Compositions and method for targeted controlled delivery of active ingredients and sensory markers onto hair, skin, and fabric
INVENTOR(S): Shefer, Adi, East Brunswick, NJ, UNITED STATES
Shefer, Samuel David, East Brunswick, NJ, UNITED STATES

NUMBER	KIND	DATE
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10/721442

PATENT INFORMATION: US 2003053974 A1 20030320
US 6979440 B2 20051227
APPLICATION INFO.: US 2002-222054 A1 20020816 (10)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 2001-771752, filed
on 29 Jan 2001, PENDING
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Diane Dunn McKay, Mathews, Collins, Shepherd & McKay,
P.A., Suite 306, 100 Thanet Circle, Princeton, NJ,
08540
NUMBER OF CLAIMS: 65
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 1 Drawing Page(s)
LINE COUNT: 1822
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is a controlled delivery system that can be incorporated in hair, skin, and fabric care products such as shampoos, conditioners, hair styling products, lotions, creams, liquid laundry detergents, fabric softener, and other hair, skin, and fabric care products to effectively deliver a broad range of active agents and sensory markers onto the hair, skin, and fabric. The system also prolongs the release rate of the active agents or sensory markers over an extended period of time, or provides heat triggered release of the active agents and yields a high impact fragrance "burst" upon blow drying the hair, ironing the fabric, or other types of heat treatment. The controlled delivery system of the present invention is a nano-sphere, having an average sphere diameter of from about 0.01 microns to about 10 microns. The nano-sphere comprises hydrophobic materials, cationic conditioning agent or, cationic conditioning agent in conjunction with a cationic charge booster to assist in adhering the spheres onto hair, skin, and fabric. The invention further relates to a controlled delivery system where the release rate of the active ingredients is synchronized with that of a sensory marker to convey to the consumer the product performance.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 7 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2002:329494 USPATFULL
TITLE: Compositions with an optical effect, especially
cosmetic compositions
INVENTOR(S): L'Alloret, Florence, Paris, FRANCE
Mamane, Maurice, Choisy Le Roi, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002187173	A1	20021212
APPLICATION INFO.:	US 2002-70911	A1	20020313 (10)
	WO 2002-FR122		20020114

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2001-481	20010115
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202	
NUMBER OF CLAIMS:	33	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1341	
CAS INDEXING IS AVAILABLE FOR THIS PATENT.		

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AB Cosmetic composition comprising an aqueous phase, said aqueous phase comprising at least one compound with an optical effect chosen especially from fillers, pigments, nacres, tensioning agents, matt-effect polymers and mixtures thereof, and a polymer comprising water-soluble units and units having in water a lower critical solution temperature LCST, the heat-induced demixing temperature in aqueous solution of said units with an LCST being from 5 to 40° C. for a concentration by mass in water of from 1% to 25% of said units.

Use of these polymers to eliminate or reduce the tack and to maintain the staying power of a film or deposit obtained from a composition with an optical effect containing them.

The compositions with an optical effect according to the invention may be in the form of emulsions or dispersions and are essentially compositions for topical application and especially cosmetic or pharmaceutical compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 8 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2002:265507 USPATFULL
TITLE: CONTROLLED DELIVERY SYSTEM FOR HAIR CARE PRODUCTS
INVENTOR(S): Shefer, Adi, East Brunswick, NJ, UNITED STATES
Shefer, Shmuel David, East Brunswick, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002146379	A1	20021010
	US 6491902	B2	20021210
APPLICATION INFO.:	US 2001-771752	A1	20010129 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Diane Dunn McKay, Mathews, Collins, Shepherd & Gould, A.P., 100 Thanet Circle, Suite 306, Princeton, NJ, 08540		
NUMBER OF CLAIMS:	32		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	1467		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is a controlled delivery system that can be incorporated in hair care products such as shampoos, conditioners, hair styling products, and other hair care products to effectively deliver a broad range of active agents and sensory markers, such as fragrances or cooling agents onto the hair. The system also prolongs the release rate of the active agents or sensory markers over an extended period of time, or provides heat triggered release of the active agents and yields a high impact fragrance "burst" upon blow drying the hair or other types of heat treatment. The controlled delivery system of the present invention is a nano-particle, having an average particle diameter of from about 0.01 microns to about 10 microns. The nano-particle comprises hydrophobic polymers and co-polymers, cationic charge boosters in conjunction with cationic surface-active conditioning agents that assist in adhering the particles onto hair. The invention further relates to a controlled delivery system where the release rate of the active ingredients is synchronized with that of a sensory marker to convey to the consumer the product performance.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 9 OF 11 USPATFULL on STN

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ACCESSION NUMBER: 2001:229294 USPATFULL
TITLE: Polyolefin wood fiber composite
INVENTOR(S): Godavarti, Shankar, Maplewood, MN, United States
Williams, Rodney K., Stacy, MN, United States
Deaner, Michael J., Osceola, WI, United States
PATENT ASSIGNEE(S): Andersen Corporation, Bayport, MN, 55003 (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001051243	A1	20011213
APPLICATION INFO.:	US 2001-893274	A1	20010627 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1999-293618, filed on 16 Apr 1999, GRANTED, Pat. No. US 6265037		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN, 55402-0903		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	1281		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An improved composite structural member comprising a complex profile structural member, made of a composite comprising a polypropylene polymer and a wood fiber. The material is useful in conventional construction applications. The complex profile, in the form of an extruded thermoplastic composite member can be used in residential and commercial structures as described. Preferably, the structural member is used in the manufacture of the fenestration components such as windows and doors. Such linear members are designed with specifically configured cross-sectional shapes to form structural elements in the fenestration units. Structural elements must possess sufficient strength, thermal stability and weatherability to permit the manufacture of a structurally sound window unit that can be easily installed into a rough opening but can maintain its attractive appearance and structural integrity over the life of the window unit often twenty years or more. The structural member comprises a hollow complex cross-section with at least one structural web or one fastener web formed within the component. The exterior of the extruded component has a visible capstock layer and is shaped and adapted for installation in rough openings. The exterior also contains shape and components capable of supporting the elements of the fenestration unit such as a window, sash or movable door unit. The improved polypropylene structural members have unique advantages and can be assembled in thermoplastic weld processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 10 OF 11 USPATFULL on STN

ACCESSION NUMBER: 2001:229293 USPATFULL
TITLE: Polyolefin wood fiber composite
INVENTOR(S): Godavarti, Shankar, Maplewood, MN, United States
Williams, Rodney K., Stacy, MN, United States
Deaner, Michael J., Osceola, WI, United States
PATENT ASSIGNEE(S): Andersen Corporation, Bayport, MN, United States, 55003
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2001051242	A1	20011213
	US 6682789	B2	20040127
APPLICATION INFO.:	US 2001-891196	A1	20010627 (9)

10/721442

RELATED APPLN. INFO.: Continuation of Ser. No. US 1999-293618, filed on 16
Apr 1999, GRANTED, Pat. No. US 6265037
DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: MERCHANT & GOULD PC, P.O. BOX 2903, MINNEAPOLIS, MN,
55402-0903
NUMBER OF CLAIMS: 20
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 1281
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An improved composite structural member comprising a complex profile
structural member, made of a composite comprising a polypropylene
polymer and a wood fiber. The material is useful in conventional
construction applications. The complex profile, in the form of an
extruded thermoplastic composite member can be used in residential and
commercial structures as described. Preferably, the structural member is
used in the manufacture of the fenestration components such as windows
and doors. Such linear members are designed with specifically configured
cross-sectional shapes to form structural elements in the fenestration
units. Structural elements must possess sufficient strength, thermal
stability and weatherability to permit the manufacture of a structurally
sound window unit that can be easily installed into a rough opening but
can maintain its attractive appearance and structural integrity over the
life of the window unit often twenty years or more. The structural
member comprises a hollow complex cross-section with at least one
structural web or one fastener web formed within the component. The
exterior of the extruded component has a visible capstock layer and is
shaped and adapted for installation in rough openings. The exterior also
contains shape and components capable of supporting the elements of the
fenestration unit such as a window, sash or movable door unit. The
improved polypropylene structural members have unique advantages and can
be assembled in thermoplastic weld processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L10 ANSWER 11 OF 11 USPATFULL on STN
ACCESSION NUMBER: 2001:116643 USPATFULL
TITLE: Polyolefin wood fiber composite
INVENTOR(S): Godavarti, Shankar, Maplewood, MN, United States
Williams, Rodney K., Stacy, MN, United States
Deaner, Michael J., Osceola, WI, United States
PATENT ASSIGNEE(S): Andersen Corporation, Bayport, MN, United States (U.S.
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6265037	B1	20010724
APPLICATION INFO.:	US 1999-293618		19990416 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	GRANTED		
PRIMARY EXAMINER:	Pyon, Harold		
ASSISTANT EXAMINER:	Hon, Sow-Fun		
LEGAL REPRESENTATIVE:	Merchant & Gould P.C.		
NUMBER OF CLAIMS:	20		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Figure(s); 3 Drawing Page(s)		
LINE COUNT:	1285		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An improved composite structural member comprising a complex profile
structural member, made of a composite comprising a polypropylene
polymer and a wood fiber. The material is useful in conventional

construction applications. The complex profile, in the form of an extruded thermoplastic composite member can be used in residential and commercial structures as described. Preferably, the structural member is used in the manufacture of the fenestration components such as windows and doors. Such linear members are designed with specifically configured cross-sectional shapes to form structural elements in the fenestration units. Structural elements must possess sufficient strength, thermal stability and weatherability to permit the manufacture of a structurally sound window unit that can be easily installed into a rough opening but can maintain its attractive appearance and structural integrity over the life of the window unit often twenty years or more. The structural member comprises a hollow complex cross-section with at least one structural web or one fastener web formed within the component. The exterior of the extruded component has a visible capstock layer and is shaped and adapted for installation in rough openings. The exterior also contains shape and components capable of supporting the elements of the fenestration unit such as a window, sash or movable door unit. The improved polypropylene structural members have unique advantages and can be assembled in thermoplastic weld processes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s cosmetic?

L11 70775 COSMETIC?

=> s l10 and l11

L12 7 L10 AND L11

=> d 1-7 ibib abs

L12 ANSWER 1 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2006:44163 USPATFULL

TITLE: Makeup or care kit for nails

INVENTOR(S): Ilekti, Philippe, Maison-Alfort, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006037624	A1	20060223
APPLICATION INFO.:	US 2005-207141	A1	20050819 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2004-51879	20040820
	US 2004-604715P	20040827 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US	
NUMBER OF CLAIMS:	49	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1897	

AB The present disclosure relates to a makeup or care kit for nails, comprising: i) at least one first liquid composition, and ii) at least one flexible polymeric film, said film and said first liquid composition being such that, when the at least one film is applied to the nail coated with the at least one first liquid composition, the film adheres to the nail. The invention also relates to a method for making up or caring for nails.

L12 ANSWER 2 OF 7 USPATFULL on STN

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ACCESSION NUMBER: 2005:315218 USPATFULL
TITLE: Composition for dyeing keratin fibers comprising at
least one compound bearing at least one amine function,
at least one pigment and at least one
chemical coupling agent
INVENTOR(S): Brun, Gaelle, Paris, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005273947	A1	20051215
APPLICATION INFO.:	US 2005-140453	A1	20050531 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2004-5842	20040528
	US 2004-580101P	20040617 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US	
NUMBER OF CLAIMS:	37	
EXEMPLARY CLAIM:	1	
LINE COUNT:	774	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to a composition for dyeing keratin fibers comprising at least one compound bearing at least one amine function, at least one pigment and at least one chemical coupling agent, to the processes for dyeing keratin fibers, using this compound bearing at least one amine function, this pigment and this chemical coupling agent, and also to the use of this compound bearing at least one amine function, of this pigment and of this chemical coupling agent for dyeing keratin fibers. In at least one embodiment, the present invention allows the production of a coloration that is visible on a dark support without it being necessary to lighten or bleach the keratin fibers, and that shows good resistance to the various attacking factors to which the hair may be subjected, in particular to shampoos and to rubbing.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 3 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2005:308802 USPATFULL
TITLE: Composition for dyeing keratin fibers, comprising at
least one pigment and polymers capable of
reacting with each other to form covalent bonds
INVENTOR(S): Brun, Gaelle, Paris, FRANCE
Vic, Gabin, Venette, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005268405	A1	20051208
APPLICATION INFO.:	US 2005-139675	A1	20050531 (11)

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2004-5834	20040528
	US 2004-580100P	20040617 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, LLP, 901 NEW YORK AVENUE, NW, WASHINGTON, DC, 20001-4413, US	
NUMBER OF CLAIMS:	36	

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EXEMPLARY CLAIM: 1

LINE COUNT: 1007

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present disclosure relates to compositions for dyeing keratin fibers comprising at least one pigment, at least one polymer PA bearing at least one functional group A, and at least one polymer PB bearing at least one functional group B, wherein the functional groups A and B can form covalent bonds together; to processes for dyeing keratin fibers with the compositions as disclosed herein, and also to the use of this pigment and of these polymers for dyeing keratin fibers in a color-fast manner.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 4 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2004:253891 USPATFULL

TITLE: Nanocapsules containing a steroid for cosmetic compositions

INVENTOR(S): Simonnet, Jean-Thierry, Paris, FRANCE
Richart, Pascal, Paris, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004197416	A1	20041007
APPLICATION INFO.:	US 2004-484429	A1	20040520 (10)
	WO 2002-FR2572		20020718

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2001-10114	20010727
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314	
NUMBER OF CLAIMS:	43	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1054	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to an aqueous suspension of nanocapsules containing, in an aqueous medium, nanocapsules comprising a polymer shell and a lipid core containing an oily solvent, characterized in that the said lipid core contains at least one steroid chosen from: DHEA, its chemical and biological precursors and its chemical and metabolic derivatives, and in that the said oily solvent comprises at least one compound chosen from certain classes of solvents for DHEA.

The invention also relates to a cosmetic and/or dermatological composition comprising the said suspension of nanocapsules in a physiologically acceptable medium.

Finally, the invention relates to the cosmetic and dermatological uses of this composition, especially for preventing or treating the signs of ageing of the skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 5 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2003:78054 USPATFULL

TITLE: Compositions and method for targeted controlled delivery of active ingredients and sensory markers onto hair, skin, and fabric

INVENTOR(S): Shefer, Adi, East Brunswick, NJ, UNITED STATES

Shefer, Samuel David, East Brunswick, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003053974	A1	20030320
	US 6979440	B2	20051227
APPLICATION INFO.:	US 2002-222054	A1	20020816 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-771752, filed on 29 Jan 2001, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Diane Dunn McKay, Mathews, Collins, Shepherd & McKay, P.A., Suite 306, 100 Thanet Circle, Princeton, NJ, 08540		
NUMBER OF CLAIMS:	65		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Page(s)		
LINE COUNT:	1822		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is a controlled delivery system that can be incorporated in hair, skin, and fabric care products such as shampoos, conditioners, hair styling products, lotions, creams, liquid laundry detergents, fabric softener, and other hair, skin, and fabric care products to effectively deliver a broad range of active agents and sensory markers onto the hair, skin, and fabric. The system also prolongs the release rate of the active agents or sensory markers over an extended period of time, or provides heat triggered release of the active agents and yields a high impact fragrance "burst" upon blow drying the hair, ironing the fabric, or other types of heat treatment. The controlled delivery system of the present invention is a nano-sphere, having an average sphere diameter of from about 0.01 microns to about 10 microns. The nano-sphere comprises hydrophobic materials, cationic conditioning agent or, cationic conditioning agent in conjunction with a cationic charge booster to assist in adhering the spheres onto hair, skin, and fabric. The invention further relates to a controlled delivery system where the release rate of the active ingredients is synchronized with that of a sensory marker to convey to the consumer the product performance.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 6 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2002:329494 USPATFULL
 TITLE: Compositions with an optical effect, especially cosmetic compositions
 INVENTOR(S): L'Alloret, Florence, Paris, FRANCE
 Mamane, Maurice, Choisy Le Roi, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002187173	A1	20021212
APPLICATION INFO.:	US 2002-70911	A1	20020313 (10)
	WO 2002-FR122		20020114

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2001-481	20010115
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202	

10/721442

NUMBER OF CLAIMS: 33
EXEMPLARY CLAIM: 1
LINE COUNT: 1341
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cosmetic composition comprising an aqueous phase, said aqueous phase comprising at least one compound with an optical effect chosen especially from fillers, pigments, nacres, tensioning agents, matt-effect polymers and mixtures thereof, and a polymer comprising water-soluble units and units having in water a lower critical solution temperature LCST, the heat-induced demixing temperature in aqueous solution of said units with an LCST being from 5 to 40° C. for a concentration by mass in water of from 1% to 25% of said units.

Use of these polymers to eliminate or reduce the tack and to maintain the staying power of a film or deposit obtained from a composition with an optical effect containing them.

The compositions with an optical effect according to the invention may be in the form of emulsions or dispersions and are essentially compositions for topical application and especially cosmetic or pharmaceutical compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 7 OF 7 USPATFULL on STN

ACCESSION NUMBER: 2002:265507 USPATFULL
TITLE: CONTROLLED DELIVERY SYSTEM FOR HAIR CARE PRODUCTS
INVENTOR(S): Shefer, Adi, East Brunswick, NJ, UNITED STATES
Shefer, Shmuel David, East Brunswick, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002146379	A1	20021010
	US 6491902	B2	20021210
APPLICATION INFO.:	US 2001-771752	A1	20010129 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Diane Dunn McKay, Mathews, Collins, Shepherd & Gould, A.P., 100 Thanet Circle, Suite 306, Princeton, NJ, 08540		
NUMBER OF CLAIMS:	32		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	3 Drawing Page(s)		
LINE COUNT:	1467		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is a controlled delivery system that can be incorporated in hair care products such as shampoos, conditioners, hair styling products, and other hair care products to effectively deliver a broad range of active agents and sensory markers, such as fragrances or cooling agents onto the hair. The system also prolongs the release rate of the active agents or sensory markers over an extended period of time, or provides heat triggered release of the active agents and yields a high impact fragrance "burst" upon blow drying the hair or other types of heat treatment. The controlled delivery system of the present invention is a nano-particle, having an average particle diameter of from about 0.01 microns to about 10 microns. The nano-particle comprises hydrophobic polymers and co-polymers, cationic charge boosters in conjunction with cationic surface-active conditioning agents that assist in adhering the particles onto hair. The invention further relates to a controlled delivery system where the release rate of the active ingredients is synchronized with that of a sensory marker to convey to the consumer the product performance.

10/721442

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s skin?

L13 259015 SKIN?

=> s silicone?

L14 223329 SILICONE?

=> d his

(FILE 'HOME' ENTERED AT 14:16:42 ON 11 SEP 2006)

FILE 'USPATFULL' ENTERED AT 14:16:50 ON 11 SEP 2006

L1 421 S BOLTORN? OR LUPASOL?
L2 194679 S SUNSCREEN? OR UV OR SUNBLOCK?
L3 32281 S MICROSPHERE?
L4 773346 S COLOR?
L5 198396 S PIGMENT?
L6 194679 S L2 AND L2
L7 196 S L1 AND L2
L8 18 S L7 AND L3
L9 14 S L8 AND L4
L10 11 S L9 AND L5
L11 70775 S COSMETIC?
L12 7 S L10 AND L11
L13 259015 S SKIN?
L14 223329 S SILICONE?

=> s l14 and l12

L15 7 L14 AND L12

=> s l13 and l15

L16 4 L13 AND L15

=> d 1-4 ibib abs

L16 ANSWER 1 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2004:253891 USPATFULL

TITLE: Nanocapsules containing a steroid for cosmetic compositions

INVENTOR(S): Simonnet, Jean-Thierry, Paris, FRANCE
Richart, Pascal, Paris, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004197416	A1	20041007
APPLICATION INFO.:	US 2004-484429	A1	20040520 (10)
	WO 2002-FR2572		20020718

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2001-10114	20010727
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C., 1940 DUKE STREET, ALEXANDRIA, VA, 22314	
NUMBER OF CLAIMS:	43	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1054	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to an aqueous suspension of nanocapsules containing, in an aqueous medium, nanocapsules comprising a polymer shell and a lipid core containing an oily solvent, characterized in that the said lipid core contains at least one steroid chosen from: DHEA, its chemical and biological precursors and its chemical and metabolic derivatives, and in that the said oily solvent comprises at least one compound chosen from certain classes of solvents for DHEA.

The invention also relates to a cosmetic and/or dermatological composition comprising the said suspension of nanocapsules in a physiologically acceptable medium.

Finally, the invention relates to the cosmetic and dermatological uses of this composition, especially for preventing or treating the signs of ageing of the skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 2 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2003:78054 USPATFULL
 TITLE: Compositions and method for targeted controlled delivery of active ingredients and sensory markers onto hair, skin, and fabric
 INVENTOR(S): Shefer, Adi, East Brunswick, NJ, UNITED STATES
 Shefer, Samuel David, East Brunswick, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003053974	A1	20030320
	US 6979440	B2	20051227
APPLICATION INFO.:	US 2002-222054	A1	20020816 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2001-771752, filed on 29 Jan 2001, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Diane Dunn McKay, Mathews, Collins, Shepherd & McKay, P.A., Suite 306, 100 Thanet Circle, Princeton, NJ, 08540		
NUMBER OF CLAIMS:	65		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Page(s)		
LINE COUNT:	1822		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is a controlled delivery system that can be incorporated in hair, skin, and fabric care products such as shampoos, conditioners, hair styling products, lotions, creams, liquid laundry detergents, fabric softener, and other hair, skin, and fabric care products to effectively deliver a broad range of active agents and sensory markers onto the hair, skin, and fabric. The system also prolongs the release rate of the active agents or sensory markers over an extended period of time, or provides heat triggered release of the active agents and yields a high impact fragrance "burst" upon blow drying the hair, ironing the fabric, or other types of heat treatment. The controlled delivery system of the present invention is a nano-sphere, having an average sphere diameter of from about 0.01 microns to about 10 microns. The nano-sphere comprises hydrophobic materials, cationic conditioning agent or, cationic conditioning agent in conjunction with a cationic charge booster to assist in adhering the spheres onto hair, skin, and fabric. The invention further relates to a controlled delivery system where the release rate of the active ingredients is synchronized with that of a sensory marker to convey to the consumer the product performance.

10/721442

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2002:329494 USPATFULL
TITLE: Compositions with an optical effect, especially
cosmetic compositions
INVENTOR(S): L'Alloret, Florence, Paris, FRANCE
Mamane, Maurice, Choisy Le Roi, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002187173	A1	20021212
APPLICATION INFO.:	US 2002-70911	A1	20020313 (10)
	WO 2002-FR122		20020114

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2001-481	20010115
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202	
NUMBER OF CLAIMS:	33	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1341	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cosmetic composition comprising an aqueous phase, said aqueous phase comprising at least one compound with an optical effect chosen especially from fillers, pigments, nacres, tensioning agents, matt-effect polymers and mixtures thereof, and a polymer comprising water-soluble units and units having in water a lower critical solution temperature LCST, the heat-induced demixing temperature in aqueous solution of said units with an LCST being from 5 to 40° C. for a concentration by mass in water of from 1% to 25% of said units.

Use of these polymers to eliminate or reduce the tack and to maintain the staying power of a film or deposit obtained from a composition with an optical effect containing them.

The compositions with an optical effect according to the invention may be in the form of emulsions or dispersions and are essentially compositions for topical application and especially cosmetic or pharmaceutical compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L16 ANSWER 4 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2002:265507 USPATFULL
TITLE: CONTROLLED DELIVERY SYSTEM FOR HAIR CARE PRODUCTS
INVENTOR(S): Shefer, Adi, East Brunswick, NJ, UNITED STATES
Shefer, Shmuel David, East Brunswick, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002146379	A1	20021010
	US 6491902	B2	20021210
APPLICATION INFO.:	US 2001-771752	A1	20010129 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	Diane Dunn McKay, Mathews, Collins, Shepherd & Gould,		

A.P., 100 Thanet Circle, Suite 306, Princeton, NJ,
08540

NUMBER OF CLAIMS: 32
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 1467

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention is a controlled delivery system that can be incorporated in hair care products such as shampoos, conditioners, hair styling products, and other hair care products to effectively deliver a broad range of active agents and sensory markers, such as fragrances or cooling agents onto the hair. The system also prolongs the release rate of the active agents or sensory markers over an extended period of time, or provides heat triggered release of the active agents and yields a high impact fragrance "burst" upon blow drying the hair or other types of heat treatment. The controlled delivery system of the present invention is a nano-particle, having an average particle diameter of from about 0.01 microns to about 10 microns. The nano-particle comprises hydrophobic polymers and co-polymers, cationic charge boosters in conjunction with cationic surface-active conditioning agents that assist in adhering the particles onto hair. The invention further relates to a controlled delivery system where the release rate of the active ingredients is synchronized with that of a sensory marker to convey to the consumer the product performance.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s us6491902/pn
L17 1 US6491902/PN

=> s l16 and l17
L18 1 L16 AND L17

=> d kwic

L18 ANSWER 1 OF 1 USPATFULL on STN

PI US 2002146379 A1 20021010
US 6491902 B2 20021210

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SUMM [0008] U.S. Pat. No. 5,354,564 discloses personal care products comprising an aqueous dispersion of particles of silicone wherein said particles have a surface modifier adsorbed on the surface thereof in an amount sufficient to achieve a particle size of less than about 400 nanometers (nm). The particles of this invention contain a discrete phase of silicone having a surface modifier adsorbed on the surface thereof Suitable surface modifiers can preferably be selected from known organic and. . .

SUMM . . . an aqueous suspension of the charged colloidal silica particles along with the material to be absorbed into the hair. In coloring hair, dye components can be absorbed into the hair without the use of alkaline solutions which damage the hair, and. . .

SUMM [0010] U.S. Pat. No. 5,660,839 discloses incorporating deformable hollow particles into cosmetic and/or dermatological compositions containing fatty substances, for markedly reduce or eliminate the sticky and/or greasy feel attributed to these fatty substances. Preferably, the particles are in the form of hollow microspheres or microbeads, having a particle size ranging from 1 micron to 250 microns, and comprising a copolymer of vinylidene chloride,. . .

SUMM . . . microcapsules are obtained by the interfacial crosslinking of plant polyphenols, particularly flavonoids. When incorporated in a composition such as a cosmetic, pharmaceutical, dietetic or food composition, these microcapsules make it possible to prevent any

impairment of this composition, in particular any color modification, while at the same time preserving the activity, especially the anti-free radical and/or antioxidizing activity, of the plant polyphenols, . . .

SUMM . . . particles in a non-aqueous medium. A dispersion of surface-stabilized polymer particles can be used in a non-aqueous medium, in a cosmetic, hygiene or pharmaceutical composition. The dispersions may, in particular, be in the form of nano-particles of polymers in stable dispersion. . .

SUMM [0014] U.S. Pat. Nos. 5,759,526 and 5,919,487 disclose nanoparticles coated with a lamellar phase based on silicone surfactant and compositions containing them. The nanoparticles, and in particular nanocapsules, provided with a lamellar coating obtained from a silicone surfactant, can be used in a composition, in particular a topical composition, for treatment of the skin, mucosae, nails, scalp and/or hair. Nanoparticles ranging in size from 10 to 1000 nm are composed of a polymer encapsulating an oily phase and coated with a lamellar coating, wherein the lamellar coating comprises at least one silicone surfactant containing at least a oxyethylenated and/or oxypropylenated chain. The nanoparticles preferably range in size from 10 to 600 nm. . .

SUMM . . . 6,042,792 discloses a controlled, time-release microparticulate active and bioactive compositions (including perfuming compositions) for targeted delivery to services such as skin, hair and fabric and the environment proximate thereto, where the active and bioactive materials have a calculated log P values. . .

SUMM . . . 5,037,818 and 5,085,857 describe the use of cationic guar gum to enhance the deposition of antidandruff particles and insoluble nonvolatile silicone, respectively. Deposition polymers have also been proposed to enhance the deposition of sunscreen materials from a shampoo composition. In EP 386,898 a cationic polygalactomannan gum derivative is used. WO 95/22311 describes the use of certain cationic polymers to increase the deposition of nonvolatile benefit agents which include silicones, fats and oils, waxes, hydrocarbons, fatty acids and fatty alcohols, lipids, vitamins and sunscreens.

SUMM . . . invention is a nano-particle having a solid inner core with cationic exterior that confers several advantages as compared with conventional microspheres, lipospheres, and vesicles, including high dispersibility in an aqueous medium, and a release rate for the entrapped substance that is. . .

SUMM . . . in the particle composition, or at the particles outer surface, were observed to be highly substantive on surfaces such as skin, hair, and fabric.

DETD . . . 20 to about 500. Polyvinyl amines suitable for use in the present invention are available from BASF under the name Lupasol® LU 321. The greater number of amine moieties per unit weight on the polyvinyl amines provides preferred substantial charge density.

DETD . . . (PEA's), or polyethyleneimines (PEI's). Polyethyleneimines suitable for use in the present invention are available from BASF under the trade name Lupasol® such as Lupasol.TM. PR8515, having an average molecular weight of 1,800, Lupasol.TM. Waterfree; Lupasol.TM. P, Lupasol.TM. PR971L; Lupasol.TM. PL; Lupasol.TM. SKA. Ethoxylated polyethyleneimines suitable for use in the present invention are available from BASF under the name Lupasol.TM. SC®-61B. A common polyalkyleneamine (PAA) is tetrabutylenepentamine. PEA's can be obtained by reactions involving ammonia and ethylene dichloride, followed by. . .

DETD . . . commercially available from Stepan, and polyquaterium-24 (Quatrisoft polymer LM-200, from Amerchol Corporation, Edison, N.J.). It was found to adhere to skin and hair. The cationic

conditioning agents also stabilize the outer surface of the hydrophobic core component of the nano-particles, thereby. . .

DETD [0111] The active agents can be cosmetic, dermatological, and pharmaceutical active agents. Suitable active agents include ceramides, vitamins, antioxidants, free radical scavengers, moisturizing agents, antiseborrheic agents, anti-UV agents, keratolytic agents, anti-inflammatory agents, refreshing agents, melanoregulators, liporegulators, antiseborrheic agents, anti-ageing agents, keratolytic agents, antibacterial agents, anti-dandruff agents, agents. . . hair bleaches, reducing agents for permanent waves, hair conditioners and nutrients, cicatrizing agents, vascular protectors, antibacterial agents, anti fungal agents, skin conditioners, immunomodulators, nutrients and essential oils, retinoids, anesthetics, surfactants, emulsifiers, stabilizers, preservatives, antiseptics, emollients, lubricants, humectants, analgesics, enzymes, pigments, dyes, hydroxy acids, such as, alpha hydroxy acids, and beta hydroxy acids, emollients, medications, antibiotics, repellants, attractants such as, pheromones, . . .

DETD [0116] V.c.) Sunscreens

DETD [0117] Sunscreen agents are desirable active agents of the present invention. The sunscreen agent is preferably incorporated into the aqueous composition. The term "sunscreen agent" as used herein defines ultraviolet ray-blocking compounds exhibiting absorption within the wavelength region between about 290 and about 400 nm. Sunscreens can be classified into five groups based upon their chemical structure: para-amino benzoates; salicylates; cinnamates; benzophenones; and miscellaneous chemicals including menthyl anthranilate and digalloyl trioleate. Inorganic sunscreens can also be used including titanium dioxide, zinc oxide, iron oxide and polymer particles such as polyethylene, polymethylmethacrylates and polyamides. . . .

DETD [0118] A wide variety of conventional suncreening agents are suitable for use in the present invention as described in Segarin et al., at Chapter VIII, Pages 189 et seq., of "Cosmetics Science and Technology", the disclosure of which is incorporated herein by reference. Suitable suncreening agents include, for example: p-aminobenzoic acid, its salts and derivatives, anthranilates, salicylates, cinnamic acid derivatives, dihydroxycinnamic acid derivatives, trihydroxycinnamic acid. . . .

DETD . . . HE, behenamidopropyl hydroxyethyl dimonium chloride (a fatty quaternary ammonium salt, commercially available from Croda) was used as cationic conditioning agent, LUPASOL.TM. PR815, a polyethyleneimine having an average molecular weight of 1800 (commercially available from BASF Corporation) was used as a cationic. . . .

DETD [0175] 0.1% LUPASOL.TM. PR815

DETD . . . propeller mixer. The candelilla/silicon copolymer melt is removed from the oven, 20 grams of Incroquat Behenyl HE, 2 grams of LUPASOL.TM. PR815, 200 grams of menthol, and 400 grams of vitamin E are mixed into the candelilla/silicon copolymer melt by hand. . . .

DETD . . . behenamidopropyl hydroxyethyl dimonium chloride (a fatty quaternary ammonium salt, commercially available from Croda) was used as cationic conditioning agent and LUPASOL.TM. PR815, a polyethyleneimine having an average molecular weight of 1800 (commercially available from BASF Corporation) was used as a cationic. . . .

DETD [0185] 0.1% LUPASOL.TM. PR815

DETD . . . fitted with a all-purpose silicon rubber heater (Cole-Palmer Instrument Company). 20 grams of Incroquat Behenyl HE and 2 grams of LUPASOL.TM. PR815 are added to the water and the aqueous solution is heated to 95 degrees C. while mixing it with. . . .

10/721442

CLM What is claimed is:

. . . said active agent is selected from the group consisting of ceramides, vitamins, antioxidants, free radical scavengers, moisturizing agents, antiseborrhoeic agents, anti-UV agents, keratolytic agents, anti-inflammatory agents, refreshing agents, melanoregulators, liporegulators, antiseborrhoeic agents, anti-ageing agents, keratolytic agents, antibacterial agents, anti-dandruff agents, agents. . . dyes, hair bleaches, reducing agents for permanent waves, hair conditioners, nutrients, cicatrizing agents, vascular protectors, antibacterial agents, anti fungal agents, skin conditioners, immunomodulators, nutrients, oils, retinoids, anesthetics, surfactants, emulsifiers, stabilizers, preservatives, antiseptics, emollients, lubricants, humectants, anesthetics, analgesics, enzymes, pigments, dyes, hydroxy acids, emollients, medications, antibiotics, repellants, attractants, fragrances, sensory markers, hyaluronic acid, hyaluronic acid salts, elastins, hydrolysates, primrose oil, . . .

=> d his

(FILE 'HOME' ENTERED AT 14:16:42 ON 11 SEP 2006)

FILE 'USPATFULL' ENTERED AT 14:16:50 ON 11 SEP 2006

L1 421 S BOLTORN? OR LUPASOL?
L2 194679 S SUNSCREEN? OR UV OR SUNBLOCK?
L3 32281 S MICROSPHERE?
L4 773346 S COLOR?
L5 198396 S PIGMENT?
L6 194679 S L2 AND L2
L7 196 S L1 AND L2
L8 18 S L7 AND L3
L9 14 S L8 AND L4
L10 11 S L9 AND L5
L11 70775 S COSMETIC?
L12 7 S L10 AND L11
L13 259015 S SKIN?
L14 223329 S SILICONE?
L15 7 S L14 AND L12
L16 4 S L13 AND L15
L17 1 S US6491902/PN
L18 1 S L16 AND L17

=> s l5 and l17

L19 1 L5 AND L17

=> d kwic

L19 ANSWER 1 OF 1 USPATFULL on STN

PI US 2002146379 A1 20021010
US 6491902 B2 20021210

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DETD . . . agents, skin conditioners, immunomodulators, nutrients and essential oils, retinoids, anesthetics, surfactants, emulsifiers, stabilizers, preservatives, antiseptics, emollients, lubricants, humectants, analgesics, enzymes, pigments, dyes, hydroxy acids, such as, alpha hydroxy acids, and beta hydroxy acids, emollients, medications, antibiotics, repellants, attractants such as, pheromones, . . .

CLM What is claimed is:

. . . fungal agents, skin conditioners, immunomodulators, nutrients, oils, retinoids, anesthetics, surfactants, emulsifiers, stabilizers, preservatives, antiseptics, emollients, lubricants, humectants,

10/721442

anesthetics, analgesics, enzymes, pigments, dyes, hydroxy
acids, emollients, medications, antibiotics, repellants, attractants,
fragrances, sensory markers, hyaluronic acid, hyaluronic acid salts,
elastins, hydrolysates, primrose oil, . . .

=> s lcst or ucst

665 LCST

132 UCST

L20 693 LCST OR UCST

=> d his

(FILE 'HOME' ENTERED AT 14:16:42 ON 11 SEP 2006)

FILE 'USPATFULL' ENTERED AT 14:16:50 ON 11 SEP 2006

L1 421 S BOLTORN? OR LUPASOL?

L2 194679 S SUNSCREEN? OR UV OR SUNBLOCK?

L3 32281 S MICROSPHERE?

L4 773346 S COLOR?

L5 198396 S PIGMENT?

L6 194679 S L2 AND L2

L7 196 S L1 AND L2

L8 18 S L7 AND L3

L9 14 S L8 AND L4

L10 11 S L9 AND L5

L11 70775 S COSMETIC?

L12 7 S L10 AND L11

L13 259015 S SKIN?

L14 223329 S SILICONE?

L15 7 S L14 AND L12

L16 4 S L13 AND L15

L17 1 S US6491902/PN

L18 1 S L16 AND L17

L19 1 S L5 AND L17

L20 693 S LCST OR UCST

=> s l20 and l17

L21 0 L20 AND L17

=> s l20 and l1

L22 3 L20 AND L1

=> d 1-3 ibib abs

L22 ANSWER 1 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2004:285858 USPATFULL

TITLE: Oral controlled release system for targeted drug
delivery into the cell and its nucleus for gene
therapy, DNA vaccination, and administration of gene
based drugs

INVENTOR(S): Shefer, Adi, East Brunswick, NJ, UNITED STATES
Shefer, Samuel, East Brunswick, NJ, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004224019	A1	20041111
APPLICATION INFO.:	US 2004-791989	A1	20040303 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 2002-315801, filed on 9 Dec 2002, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		

10/721442

LEGAL REPRESENTATIVE: Diane Dunn McKay, Esq., Mathews, Collins, Shepherd & McKay, P.A., Suite 306, 100 Thanet Circle, Princeton, NJ, 08540

NUMBER OF CLAIMS: 59

EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 3 Drawing Page(s)

LINE COUNT: 1943

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention relates to an oral drug delivery system which delivers pharmaceutical active ingredients into the cell and/or its nucleus for the effective administration of nucleic acids including gene therapy, vaccination, administration of gene based drugs or administration of gene based treatment modalities, including the use of sense, antisense nucleotide sequences, antigens, antibodies, ribozymes, as well as oligonucleotides and polynucleotide constructs for gene correction. These actives may also include viruses, vectors, proteins, peptides, and nucleic acids, DNA or RNA fragments, which code functionally active or inactive or conditionally inactivatable proteins. The controlled delivery system of the present invention is substantially a free-flowing powder consisting of solid hydrophobic nanospheres encapsulated in pH sensitive microspheres. The controlled release system can be used to target and control the release of pharmaceutical active ingredients onto certain regions of the gastrointestinal tract, specially the small intestine. The invention further pertains to pharmaceutical products comprising the controlled release system of the present invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 2 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2004:138654 USPATFULL

TITLE: Colored sunscreen compositions

INVENTOR(S): Soane, David S., Piedmont, CA, UNITED STATES

Hino, Toshiaki, Berkeley, CA, UNITED STATES

PATENT ASSIGNEE(S): Cosmetics, Inc. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004105826	A1	20040603
APPLICATION INFO.:	US 2003-721442	A1	20031124 (10)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2002-US18277, filed on 6 Jun 2002, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-297155P	20010608 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	JACQUELINE S LARSON, P O BOX 2426, SANTA CLARA, CA, 95055-2426	

NUMBER OF CLAIMS: 22

EXEMPLARY CLAIM: 1

LINE COUNT: 1173

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention is directed to sunscreen formulations that exhibit both UV absorption and skin coloring properties. More particularly, the colored sunscreen preparations of the invention comprise a colored nanostructure that is reactive to skin or capable of being immobilized onto the skin. The colored nanostructure comprises a particulate sunblock agent in intimate relationship with a coloring agent or a colored polymeric nanomatrix. These colored sunscreen compositions provide improved retention of sunblock and coloring agents on the skin.

10/721442

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L22 ANSWER 3 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2002:329494 USPATFULL
TITLE: Compositions with an optical effect, especially
cosmetic compositions
INVENTOR(S): L'Alloret, Florence, Paris, FRANCE
Mamane, Maurice, Choisy Le Roi, FRANCE

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002187173	A1	20021212
APPLICATION INFO.:	US 2002-70911	A1	20020313 (10)
	WO 2002-FR122		20020114

	NUMBER	DATE
PRIORITY INFORMATION:	FR 2001-481	20010115
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC, FOURTH FLOOR, 1755 JEFFERSON DAVIS HIGHWAY, ARLINGTON, VA, 22202	
NUMBER OF CLAIMS:	33	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1341	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Cosmetic composition comprising an aqueous phase, said aqueous phase comprising at least one compound with an optical effect chosen especially from fillers, pigments, nacres, tensioning agents, matt-effect polymers and mixtures thereof, and a polymer comprising water-soluble units and units having in water a lower critical solution temperature LCST, the heat-induced demixing temperature in aqueous solution of said units with an LCST being from 5 to 40° C. for a concentration by mass in water of from 1% to 25% of said units.

Use of these polymers to eliminate or reduce the tack and to maintain the staying power of a film or deposit obtained from a composition with an optical effect containing them.

The compositions with an optical effect according to the invention may be in the form of emulsions or dispersions and are essentially compositions for topical application and especially cosmetic or pharmaceutical compositions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s star?
L23 1588328 STAR?

=> d his

(FILE 'HOME' ENTERED AT 14:16:42 ON 11 SEP 2006)

FILE 'USPATFULL' ENTERED AT 14:16:50 ON 11 SEP 2006

L1 421 S BOLTORN? OR LUPASOL?
L2 194679 S SUNSCREEN? OR UV OR SUNBLOCK?
L3 32281 S MICROSPHERE?
L4 773346 S COLOR?

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L5 198396 S PIGMENT?
L6 194679 S L2 AND L2
L7 196 S L1 AND L2
L8 18 S L7 AND L3
L9 14 S L8 AND L4
L10 11 S L9 AND L5
L11 70775 S COSMETIC?
L12 7 S L10 AND L11
L13 259015 S SKIN?
L14 223329 S SILICONE?
L15 7 S L14 AND L12
L16 4 S L13 AND L15
L17 1 S US6491902/PN
L18 1 S L16 AND L17
L19 1 S L5 AND L17
L20 693 S LCST OR UCST
L21 0 S L20 AND L17
L22 3 S L20 AND L1
L23 1588328 S STAR?

=> s l23 and l17

L24 1 L23 AND L17

=> d kwic

L24 ANSWER 1 OF 1 USPATFULL on STN

PI US 2002146379 A1 20021010

US 6491902 B2 20021210

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DETD [0099] Also suitable, for the purpose of this invention, are cationic derivatives of polysaccharides such as dextran, starch or cellulose, for example, diethylaminoethyl cellulose ("DEAE-cellulose"). Further examples of suitable materials are the cationic guar derivatives such as those. . .

=> s star

L25 60219 STAR

=> s l25 and l17

L26 0 L25 AND L17

=> s us5518856/pn

L27 1 US5518856/PN

=> d ibib abs

L27 ANSWER 1 OF 1 USPATFULL on STN

ACCESSION NUMBER: 96:43511 USPATFULL

TITLE: Microcapsule suitable for electrostatically coating on substrate

INVENTOR(S): Tsuda, Masashi, Haguri, Japan

PATENT ASSIGNEE(S): Brother Kogyo Kabushiki Kaisha, Aichi, Japan (non-U.S. corporation)

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 5518856		19960521	<--
APPLICATION INFO.:	US 1994-219234		19940328 (8)	
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1992-894657, filed on 5 Jun 1992, now abandoned			

NUMBER	DATE
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10/721442

PRIORITY INFORMATION: JP 1991-134090 19910605
JP 1991-134091 19910605
DOCUMENT TYPE: Utility
FILE SEGMENT: Granted
PRIMARY EXAMINER: Lovering, Richard D.
LEGAL REPRESENTATIVE: Oliff & Berridge
NUMBER OF CLAIMS: 8
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Figure(s); 1 Drawing Page(s)
LINE COUNT: 305
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Microcapsule has a shell encapsulating a liquid-phase material containing at least a dye precursor and a radiation curable component therein. The liquid-phase material is cured when predetermined wavelength light is applied thereto. The shell is made of electron accepting or electron supplying material, so that the microcapsule is readily charged to either positive or negative polarity. Very fine particles may be attached to the surface of the shell, wherein the particles are made of a material which can be readily charged to positive or negative polarity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s colored microcapsule?
195657 COLORED
25564 MICROCAPSULE?
L28 49 COLORED MICROCAPSULE?
(COLORED (W) MICROCAPSULE?)

=> s sunscreen? or uv or sunblock?
9425 SUNSCREEN?
189599 UV
786 SUNBLOCK?
L29 194679 SUNSCREEN? OR UV OR SUNBLOCK?

=> s l28 and l29
L30 7 L28 AND L29

=> d his

(FILE 'HOME' ENTERED AT 14:16:42 ON 11 SEP 2006)

FILE 'USPATFULL' ENTERED AT 14:16:50 ON 11 SEP 2006

L1 421 S BOLTORN? OR LUPASOL?
L2 194679 S SUNSCREEN? OR UV OR SUNBLOCK?
L3 32281 S MICROSPHERE?
L4 773346 S COLOR?
L5 198396 S PIGMENT?
L6 194679 S L2 AND L2
L7 196 S L1 AND L2
L8 18 S L7 AND L3
L9 14 S L8 AND L4
L10 11 S L9 AND L5
L11 70775 S COSMETIC?
L12 7 S L10 AND L11
L13 259015 S SKIN?
L14 223329 S SILICONE?
L15 7 S L14 AND L12
L16 4 S L13 AND L15
L17 1 S US6491902/PN

10/721442

L18 1 S L16 AND L17
L19 1 S L5 AND L17
L20 693 S LCST OR UCST
L21 0 S L20 AND L17
L22 3 S L20 AND L1
L23 1588328 S STAR?
L24 1 S L23 AND L17
L25 60219 S STAR
L26 0 S L25 AND L17
L27 1 S US5518856/PN
L28 49 S COLORED MICROCAPSULE?
L29 194679 S SUNSCREEN? OR UV OR SUNBLOCK?
L30 7 S L28 AND L29

=> s l30 and l1

L31 0 L30 AND L1

=> s cosmetic?

L32 70775 COSMETIC?

=> s l32 and l30

L33 4 L32 AND L30

=> d 1-4 ibib abs

L33 ANSWER 1 OF 4 USPATFULL on STN

ACCESSION NUMBER: 1998:82369 USPATFULL

TITLE: Microcapsules with a wall of crosslinked plant polyphenols and compositions containing them

INVENTOR(S): Levy, Marie-Christine, Reims, France

Andry, Marie-Christine, Dizy, France

PATENT ASSIGNEE(S): Centre National de la Recherche Scientifique, Paris, France (non-U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5780060		19980714
	WO 9521018		19950810
APPLICATION INFO.:	US 1995-525619		19950927 (8)
	WO 1995-FR116		19950201
			19950927 PCT 371 date
			19950927 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	FR 1994-1146	19940202
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Page, Thurman K.	
ASSISTANT EXAMINER:	Spear, James M.	
LEGAL REPRESENTATIVE:	Dennison, Meserole, Pollack & Scheiner	
NUMBER OF CLAIMS:	35	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1352	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Microcapsules based on crosslinked plant polyphenols are described. These microcapsules are obtained by the interfacial crosslinking of plant polyphenols, particularly flavonoids. When incorporated in a composition such as a cosmetic, pharmaceutical, dietetic or food composition, these microcapsules make it possible to prevent any impairment of this composition, in particular any color modification, while at the same time preserving the activity, especially the anti-free

radical and/or antioxidizing activity, of the plant polyphenols, particularly the flavonoids.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L33 ANSWER 2 OF 4 USPATFULL on STN

ACCESSION NUMBER: 97:7670 USPATFULL
TITLE: Colorant compositions and processes
INVENTOR(S): Kumar, Kanta, Maplewood, MN, United States
Davis, Robert A., Cottage Grove, MN, United States
Nichols, Sheila M., Richfield, MN, United States
Buttery, Howard J., Newport, MN, United States
PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Company, St. Paul,
MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5597557		19970128
APPLICATION INFO.:	US 1995-431771		19950501 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 1993-145492, filed on 29 Oct 1993, now patented, Pat. No. US 5411802		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Acquah, Samuel A.		
LEGAL REPRESENTATIVE:	Griswold, Gary L., Kirn, Walter N., Bjorkman, Dale A.		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
LINE COUNT:	939		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for making solid colored particles by preparing a reaction solution in water comprising formaldehyde, urea, a cyclic polyamine functional triazine compound, and acid. A dye can be incorporated into the reaction solution if a color other than white is desired. Particles are formed having an average particle size between 1 and 70 microns without the need to resort to crushing to break up agglomerates. Particles made by this process provide excellent color and are easily washable from a substrate when incorporated into a washable formulation.

Additionally, it has been found that the incorporation of colored microcapsules of average size of 1-70 microns where the color is located primarily on or in the shell of the microcapsule also provides excellent washable compositions when incorporated into a washable formulation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L33 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER: 95:94673 USPATFULL
TITLE: Body powder comprising colorant
INVENTOR(S): Davis, Robert A., Cottage Grove, MN, United States
Nichols, Sheila M., Richfield, MN, United States
Buttery, Howard J., Newport, MN, United States
PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Company, St. Paul,
MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5460805		19951024
APPLICATION INFO.:	US 1993-145787		19931029 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Bleutge, John C.		

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ASSISTANT EXAMINER: Hulina, Amy
LEGAL REPRESENTATIVE: Griswold, Gary L., Kirn, Walter N., Bjorkman, Dale A.
NUMBER OF CLAIMS: 16
EXEMPLARY CLAIM: 1
LINE COUNT: 390

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Body powder is provided having microcapsules with a colorant located in or on the shell of said microcapsule. The microcapsules are present in an amount effective to impart color to the body powder when viewed in bulk and to substantially decrease in perceptible color upon rubbing said body powder on the skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L33 ANSWER 4 OF 4 USPATFULL on STN

ACCESSION NUMBER: 95:38515 USPATFULL
TITLE: Colorant compositions and processes
INVENTOR(S): Kumar, Kanta, Maplewood, MN, United States
Davis, Robert A., Cottage Grove, MN, United States
Nichols, Sheila M., Richfield, MN, United States
Buttery, Howard J., Newport, MN, United States
PATENT ASSIGNEE(S): Minnesota Mining and Manufacturing Company, St. Paul, MN, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5411802		19950502
APPLICATION INFO.:	US 1993-145492		19931029 (8)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Acquah, Samuel A.		
LEGAL REPRESENTATIVE:	Griswold, Gary L., Kirn, Walter N., Bjorkman, Dale A.		
NUMBER OF CLAIMS:	16		
EXEMPLARY CLAIM:	1		
LINE COUNT:	938		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A process for making solid colored particles by preparing a reaction solution in water comprising formaldehyde, urea, a cyclic polyamine functional triazine compound, and acid. A dye can be incorporated into the reaction solution if a color other than white is desired. Particles are formed having an average particle size between 1 and 70 microns without the need to resort to crushing to break up agglomerates. Particles made by this process provide excellent color and are easily washable from a substrate when incorporated into a washable formulation.

Additionally, it has been found that the incorporation of colored microcapsules of average size of 1-70 microns where the color is located primarily on or in the shell of the microcapsule also provides excellent washable compositions when incorporated into a washable formulation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.